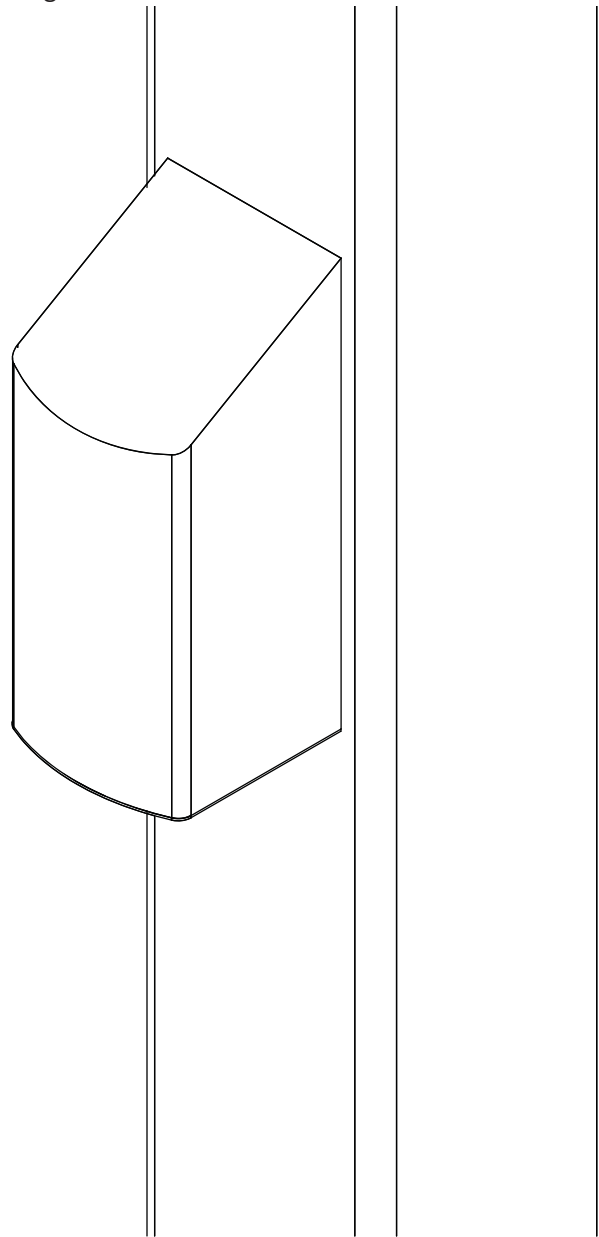


Installation Instructions

for DesignRail® 24VDC LED Post Accent Lights



Drivers are available in a variety of wattages. In general a driver should not exceed more than 80% of its rated wattage. (Example: 60W Driver = $60 \times 0.8 = 48\text{W Max}$).

Building codes vary by location and jurisdiction. Consult all applicable codes before installing DesignRail® LED Lighting. DesignRail® LED Lighting may not be suitable for every application and it is the sole responsibility of the installer to ensure that DesignRail® LED Lighting is used for its intended purpose.

WARNING: Electric shock is always possible when working with electricity. This can cause serious personal injuries or death. Electrical shorts can also cause fires and property damage. Always make sure the electrical outlet you are plugging into is grounded.

Power Kits - Installation

Step 1 - Connect Source Power to Driver

IMPORTANT SAFETY NOTE: TO REDUCE RISK OF ELECTRICAL SHOCK, TURN OFF AC CIRCUIT BREAKER PRIOR TO COMMENCING ANY ELECTRICAL WORK AND CONNECTING DRIVER(S) TO AC POWER SOURCE. VERIFY THAT LIVE POWER IS NOT PRESENT AT JUNCTION BOX WHEN MAKING CONNECTIONS.

Determine location of driver.

Note: It is best to locate the drivers as close as possible to the lighting to reduce the possibility of voltage drop occurring. If possible, the driver enclosure should be within 5 feet of the post that will accept the 11' extension cable, acting as the lead wire to the first light. If necessary, up to 30 feet of 14 AWG wire can be used between the driver and the 11' extension cable.

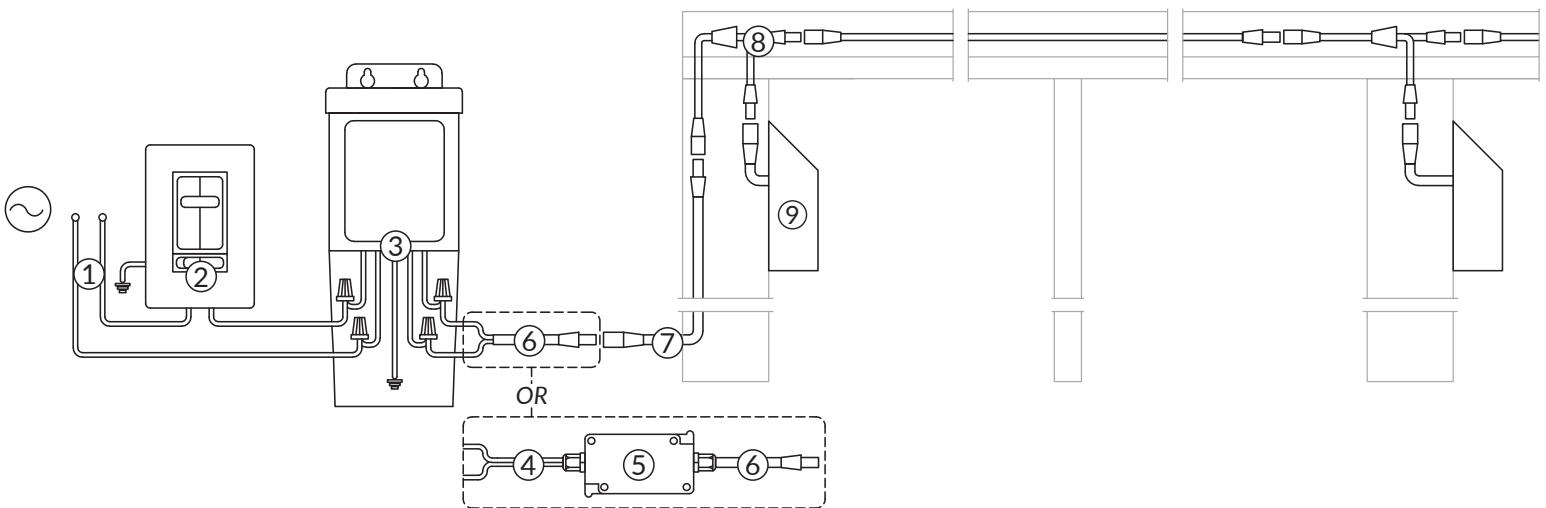
Route exterior rated wiring from compatible dimmer switch/AC power source to location of driver.

Connect drivers to dimmer switch/AC power source using wire nuts.

Connect 11' extension cable(s) and route outside of driver to post.

If necessary, run up to 30 feet of 14 AWG wire to a wet-location mini junction box and transition to solder connector.

POST ACCENT LIGHT - WIRING DIAGRAM



LIGHTING COMPONENTS

- | | | |
|--|--------------------------------|------------------------|
| 1. Power (by customer) | 4. 14 Gauge Wire (by customer) | 7. 11' Extension Cable |
| 2. Light Switch (by customer) ¹ | 5. Mini Junction Box | 8. Splitter |
| 3. 24v Dimmable Driver ² | 6. Solder Connector | 9. post accent light |

1. Mount Vertical only. See Switch Compatibility Spec Sheet at www.feeneyinc.com
2. See Driver Spec Sheet at www.feeneyinc.com

STEP 2 - DRILL POSTS AND ROUTE LEAD WIRE

Note: Running the lead wire through the post is easier when done prior to mounting post.

Determine location that lead wire will enter post.

Note: Depending on the post mounting method, and enclosure location relative to the post, the lead wire entrance point may vary. (See Figure 1.5 for typical recommendations)

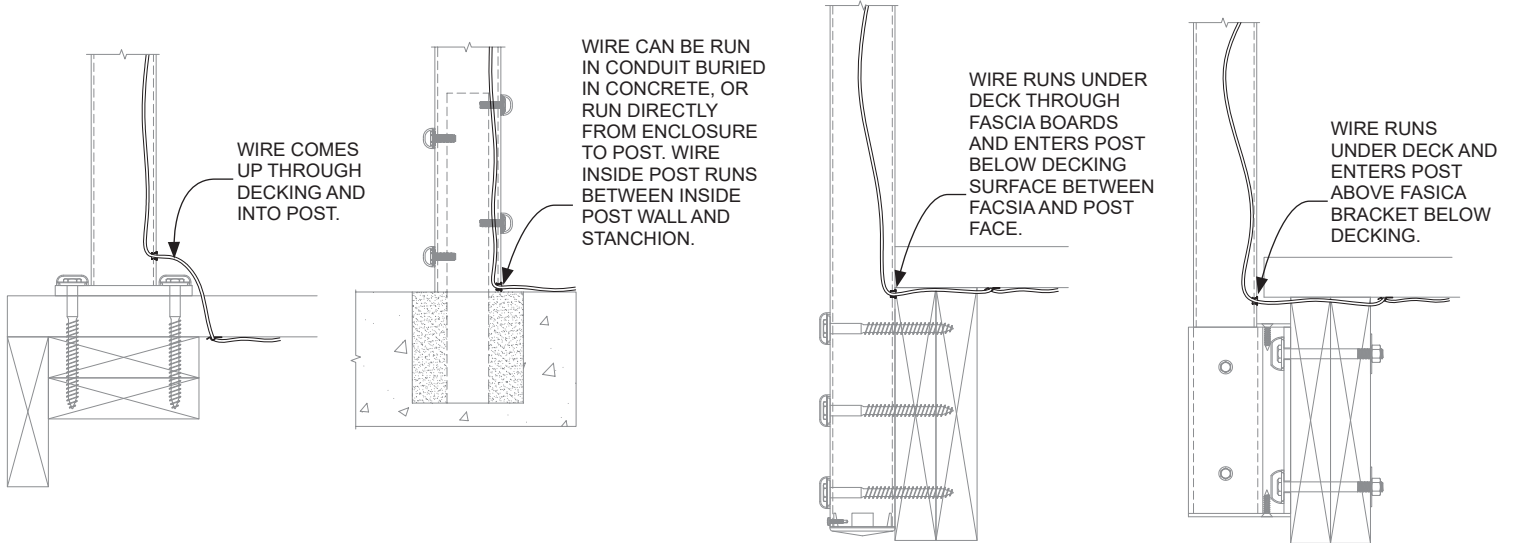


Figure 1.5

Drill 1/2" diameter hole in post at desired lead wire entrance location and insert supplied grommet, part #1114. (See Figure 1.6)

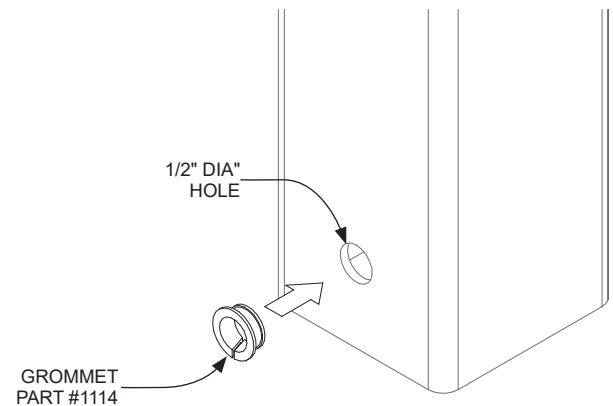


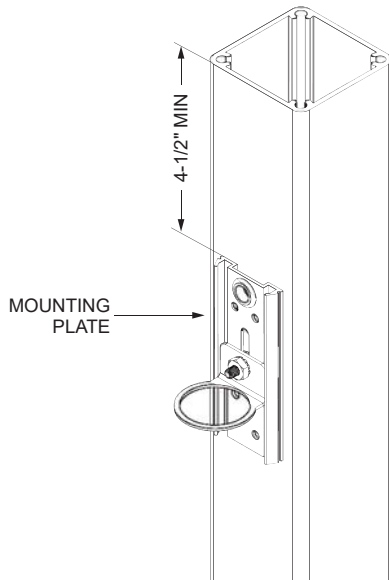
Figure 1.6

Post Accent Light - Installation

IMPORTANT SAFETY NOTE: TO REDUCE RISK OF ELECTRICAL SHOCK, TURN OFF AC CIRCUIT BREAKER PRIOR TO COMMENCING ANY ELECTRICAL WORK AND CONNECTING DRIVER(S) TO AC POWER SOURCE. VERIFY THAT LIVE POWER IS NOT PRESENT AT JUNCTION BOX WHEN MAKING CONNECTIONS.

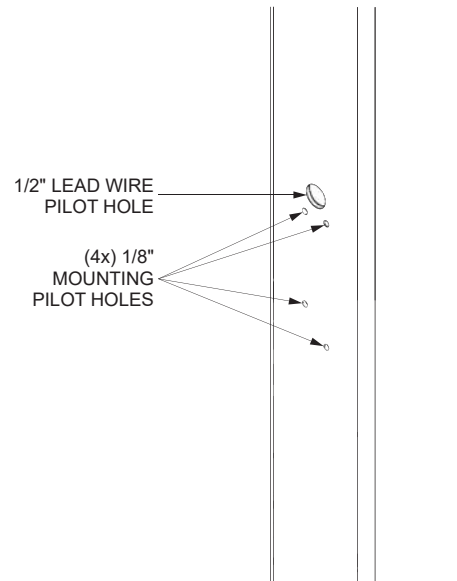
Step 1 – Prepare Post for Mounting Plate

Locate the mounting plate in the desired location on the post. Place the top of the plate at least 4-1/2" down from the top of the post. Using the mounting plate as a guide, mark the locations of the four mounting holes, and the lead wire hole.



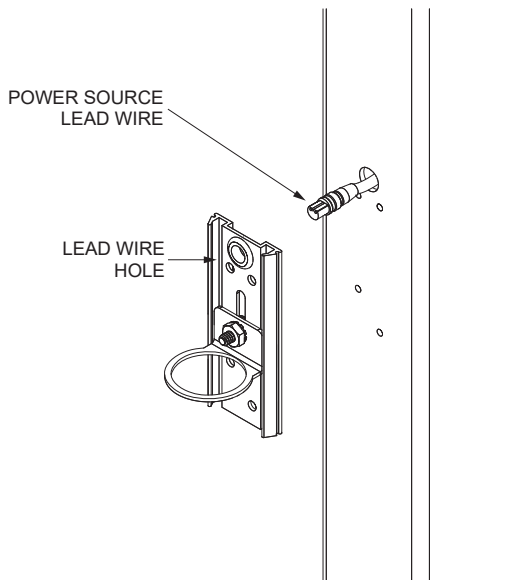
Step 2 – Pre-drill Holes in Post

Set the mounting plate aside. Pre-drill the four mounting pilot holes using a 1/8" diameter drill bit. Pre-drill the lead wire pilot hole using a 1/2" diameter drill bit.



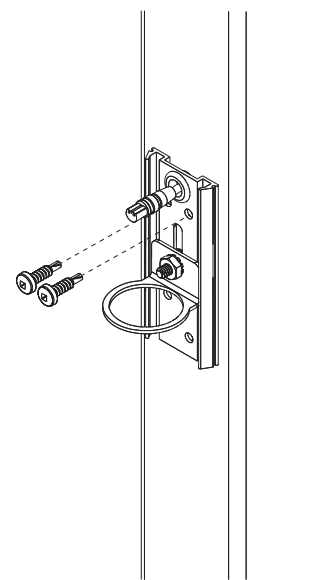
Step 3 – Feed Lead Wire

Feed the power source lead wire through the power source lead wire hole in the post, and through the lead wire hole with the grommet on the mounting plate.



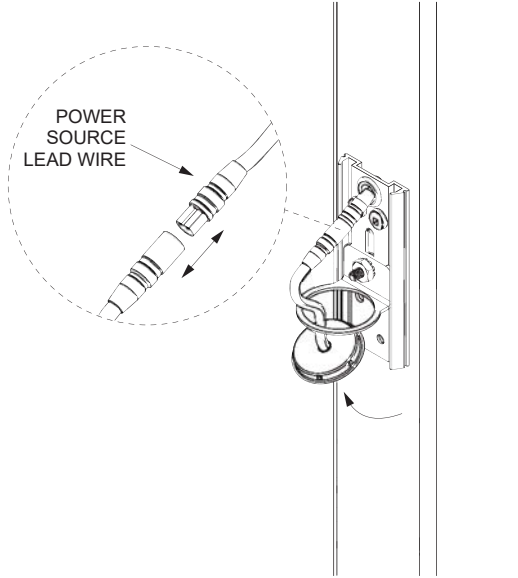
Step 4 – Attach Mounting Plate

Attach the mounting plate to the post using two of the provided #8x3/4" self-tapping screws. *Important: Use only the top two mounting holes.*



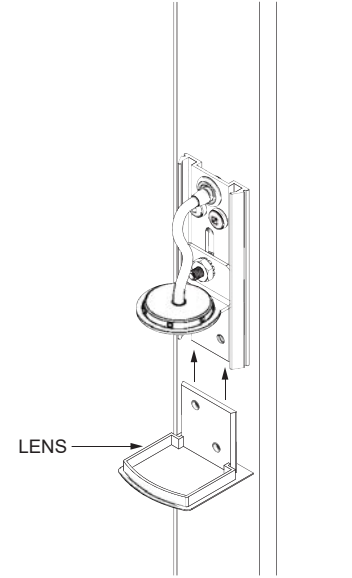
Step 5 – Attach LED Array

Feed LED array lead wire through array bracket and attach to power source lead wire. Push excess wiring and connectors back into post through the power source lead wire hole. Insert LED array into bracket and snap into place to secure.



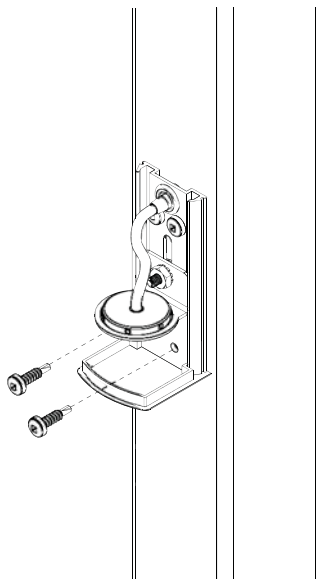
Step 6 – Insert Lens

Slide the lens onto the mounting plate, by inserting back plate into angled receiver flanges on mounting plate.



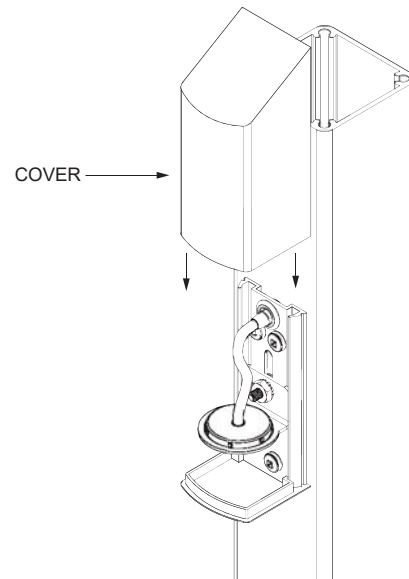
Step 7 – Secure Lens

Secure the lens and the mounting plate to the post using two of the provided #8x3/4" self-tapping screws.



Step 8 – Attach Cover

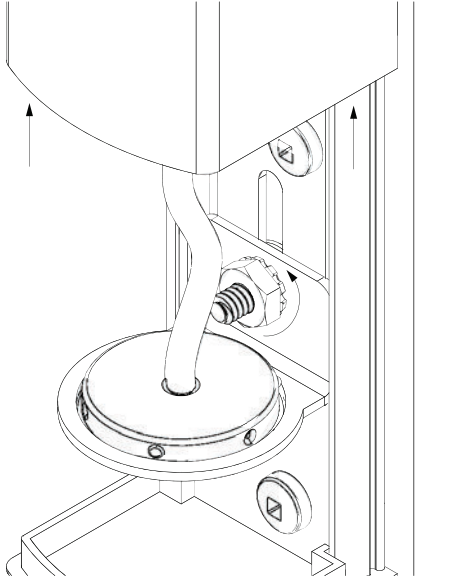
Attach the cover onto the mounting plate by aligning the tabs on the cover with the slot on the sides of the mounting plate and sliding the cover down until it comes into contact with the lens.



Post Accent Light - Aperature Adjustments

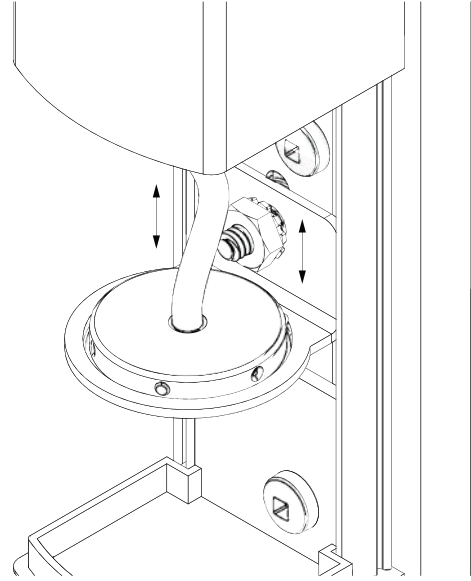
Step 1 - Loosen LED Array Bracket

Slide the cover upwards on mounting plate, enough to expose the nut on the LED array bracket. Loosen the nut.



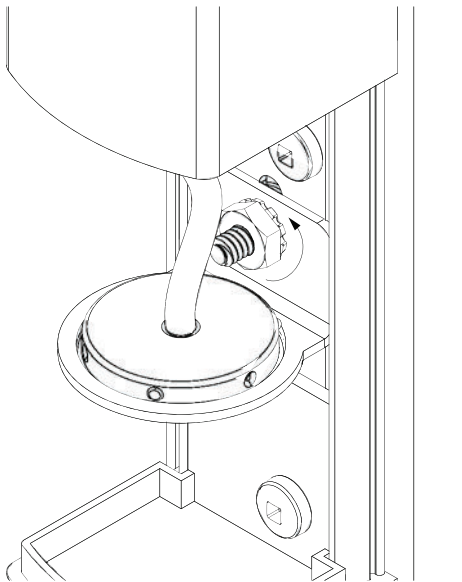
Step 2 - Adjust LED Array Bracket

Slide the LED array bracket up or down to achieve desired light aperture.



Step 3 - Tighten LED Array Bracket

Once the LED array bracket is in the desired location, tighten the nut on the LED array bracket.



Step 4 - Attach Cover

Slide the cover down until it comes in contact with the lens.

